

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	("4111104" "4191150" "4363310" "4811706" "5067453" "6378482" "6431157").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/21 18:41
L2	1947	123/193.6.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 18:41
L3	26	2 and (annular with cavity with ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 18:45
L4	981	piston same (annular with cavity with ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 18:45
L5	87	piston same (annular with cavity with "piston ring")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 18:45
L6	87	(annular with cavity with "piston ring")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:02
L7	184	(piston with annular with (cavity or chamber or space) with "ring groove")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:14

## EAST Search History

L8	15653	((blowby or gases) with piston)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:15
L9	421	8 and ((piston near3 ring) with (flow or path or passage or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:16
L10	379	9 and (piston with chamber or cavity or space or hollow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:16
L11	330	9 and engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:17
L12	3	("3667443"   "4111104"   "4711201").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/21 19:44
L13	4	("5067453").URPN.	USPAT	OR	OFF	2007/12/21 19:50
L14	828	123/193.6.ccls.	USPAT	OR	OFF	2007/12/21 19:50
L15	880	123/572-573.ccls.	USPAT	OR	OFF	2007/12/21 19:51
L16	1947	123/193.6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:51
L17	1444	123/572-573.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:51

## EAST Search History

L18	1	16 and 17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:52
L19	26	Salzgeber-Kurt.in. or Kling-Wolfgang. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:53
L20	4	19 and piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/21 19:53